

Yu. M. Kagan

Probe measurements in low pressure plasma. 25 pp.
RUSSIAN, Leningrad. Universitet. Vestnik seriya
fiziki i khimi, No 4, 1957, pp 63-78
AIR/FTD-MT-24-1974-71

oct 72

Investigation of Triple Phase Equilibrium
in the System Calcium Chloride-Methyl Alcohol-
Water, by A. V. Storozhin, L. R. Simanavichus.
USSR.

RUEBIAN, per, Vest Leningradskogo Univ: Ser
Fiz i Khim, Vol XXII, 1957, pp 103-119.

DSIR LLU RTS 1167

L2. 2a. 6a. anywhere

Sci. + Chem
Oct 59

100,195

Electrode Properties of Ion Exchanger Membranes, by
F. A. Belinskaya, et al. UNCLASSIFIED

RUSSIAN, per, Vest Leningrad U, (Ser Fiz i Khim),
No 3, 1957, pp 85-103.

DSIR/TCL 110

Sci - Phys
Nov 58

NLL RTS 1719

Belinskaya, P. A. and Materova, E. A.
PROPRIETES DES MEMBRANES ECHANGEUSES
D'IONS EN TANT QU'ÉLECTRODES [Electrodnye
Svoistva Ionirovykh Membran] [Electrode Properties of
Ion-Exchange Membranes] tr. by Schkaff. 1 July 60
[47]p. 35 refs. CEA Trans. no. R 951 (text in French).
Order from OTS or SLA \$4.60

Trans. in French of Leningrad U. Vest[nik] (USSR)
1957 [v. 12] no. 16 Ser[iya Fizika i Khimii] no. 3,
p. 85-102.

A translation in English is available from OTS or SLA
mi\$2.70, ph\$4.80 as 61-15278, RTS-1719 Dec 60
[28]p.

DESCRIPTORS: *Ion exchange resins, Exchange
reactions, *Membranes, Electrical properties,
Electrodialysis, *Electrodes.

For abstract see Technical Translations 5: 346, 1961.

61-23720

- I. Belinskaya, F. A.
- II. Materova, E. A.
- III. CEA-tr-R951
- IV. Commissariat à l'Énergie
Atomique (France)

(Chemistry--Physical,
TT, v. 6, no. 10)
Office of Technical Services

Yu. M. Kagan

Probe measurements in low pressure plasma. 25 pp.
RUSSIAN, Leningrad. Universitet. Vestnik seriya
fiziki i khimi, No 4, 1957, pp 63-78
AIR/FTD-MT-24-1974-71

oct 72

Investigation of Triple Phase Equilibrium
in the System Calcium Chloride-Methyl Alcohol-
Water, by A. V. Storozhin, L. E. Sicanavichus.
USSR.

RUSSIAN, per, Vest Leningradskogo Univ: Ser
Fiz i Khim, Vol XXII, 1957, pp 103-119.

DSIR LRU RTS 1167

12. 20. 64. anywhere

Sci. - Chem
Oct 59

109,195

Studies of the Solution-Vapor Equilibrium in the
Benzene-Cyclohexane Methyl Alcohol System, by
A. G. Monachevskiy, E. G. Komarova, 9 p.

RUSSIAN, per, Leningrad U. Vestnik, 1957, Vol. XII,
No 4, pp 118-126, Ser Fiz i Khim, No 1,

ATS-7EL35R

Sci
Apr 60
Vol III, No 2

111, 651

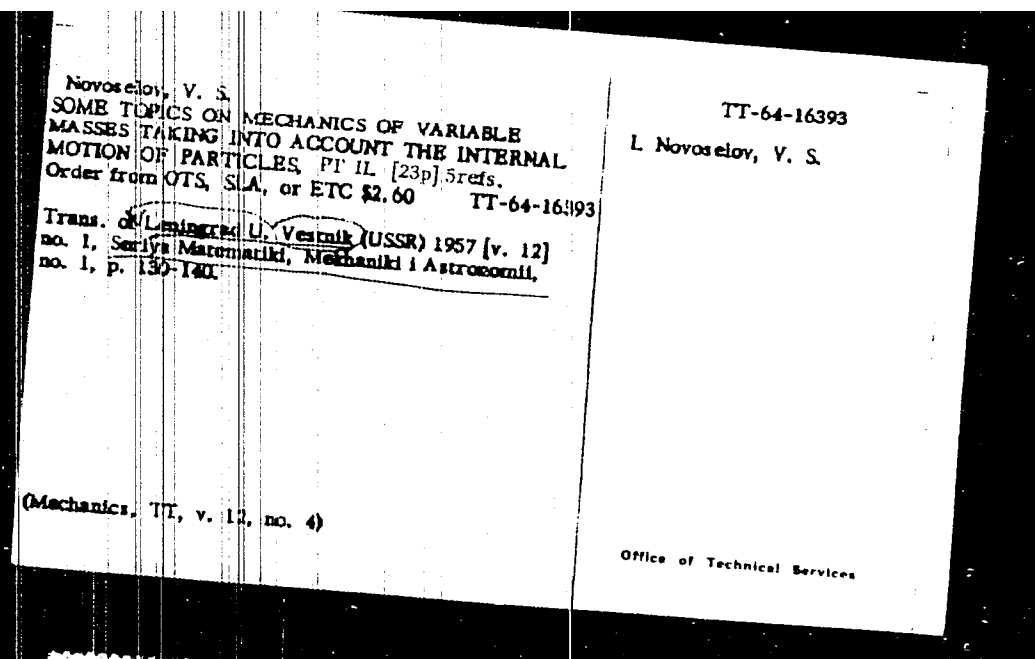
Contribution to the Separation of Uranium From
Vanadium with the Help of Anionite Resins, by
Yu. V. Morachevskiy, M. N. Gordeyeva, 5 p.

RUSSIAN, per, Leningrad U. Vestnik, 1957, Vol XII,
No 10, (Seriya Fiziki i Khimiyi ~~№ 10~~), pp 148-151.

SLA 59-20790

Sci
Apr 60
Vol XII, No 2

113,602



A Comparison of the Law of Light Reflection as
Related to the Moon and to Some Rock Varieties, by
N. S. Orlova, 8 pp.
RUSSIAN, per, Vest Leningrad Univ, Ser Mate
Mekh i Astron, No 1, 1957, pp 152-157. ~~960489~~ 9695199
DDC RSIC-301

Sci - Earth Sci & Astron
Nov 64

AD-607 959

269,432

On Wing Flutter in a Gas Flow, by D. N. Gorelov,
9 pp.

RUSSIAN, per, Vest Lening Univ Seriya Matematiki
Mekhaniki i Astronomii, Vol I, No 1, 1957, pp 192-196
960980

FTD-TP-63-738

Sci - Eng
Jan 63

246,402

Questions of Stability in the Large and Regulat-
ing Properties for a Certain System of Differential
Equations. I., by B. N. Shachov, 18 pp.

RUSSIAN, per, Vestnik Leningrad Univ Ser
Matematiki, Mekhaniki, Astronomii, Vol XIII,
No 3, 1957, pp 67-80.

Amer Math Soc

Sci - Math

Aug 63

341,561

Theory of a Wing of Finite Span, Oscillating
Harmoniously, by N. N. Polyakhov, 13 pp.
RUSSIAN, per, Vest Lening Univ, Ser Matemat Mekh
i Astron, No 19, 1957, pp 87-97. 9695900
FTD-TT-64-606

Sci - Phys
Feb 65

272,803

Shuvalov, Yu. N.
INVESTIGATION OF ELECTRON DENSITY DISTRIBUTION IN A CRYSTAL [K Issledovaniyu Raspredeleniya Elektronnoi Plotnosti v Kristalle]. [1963] 9p.
Order from ATIS \$8.25
ATS-80Q70R

Trans. of Leningrad U. Vestnik/(USSR) 1958, v. 13,
no. 4, Seriya [Fizika] i Khim [ii] [no. 1] p. 36-44.

DESCRIPTORS: *Crystals, *Electron density.

(Physics--Solid State, TT, v. 10, no. 11)

63-22159

- I. Shuvalov, Yu. N.
- II. ATS-80Q70R
- III. Associated Technical Services, Inc.,
East Orange, N. J.

Office of Technical Services

Collisions of S^+ Ions With Hydrogen Atoms, by
V. I. Osherson, pp.

USSR, per, Vest Leningrad Univ, Ser Fiz i Khim, No 1,
1958, pp 53-58. GFA 9077953

ABC-tr-1961

Sci - Nuclear Phys

Aug 61

160722

Spectroscopic Studies of the Excitation Mechanism
in Hollow-Cathode Discharges in Inert Gases,
by Chen-Gi-Tshak.

RUSSIAN, For, Vest Leningrad U. Ser Fiz i Khim,
No 2, 1953, pp 13-37.

Infosearch Ltd.

Sol - Phys
Sep 59

Investigation of the Electron Density Distribution in a Crystal, by Yu. N. Shuvalov.

RUSSIAN, per, Vest Leningrad Univ, Ser Fiz
i Khim, Vol XIII, No 4, 1958, pp 36-44.

ATS RJ-4112

Sci-Comm
Dec 63

244,902

The Structure of β -PbO₂, by S. S. Tolstachev.
RUSSIAN, per, Vest Leningrad Univ, Ser Fiz i Khim,
Vol. 1, No 4, 1958, pp 152, 153.

RAE 877

Sci - Phys

Jul 60

120,021

Shockwave Boundary Layer Interaction in the Neighborhood of the Leading Edge of a Flat Plate at Hypersonic Speeds Taking Radiant Energy into Account, by G. A. Kulmen, 18 pp.

RUSSIAN, per, Vestn. Leningradsk. Univ. Ser. Math. Mech., Astron. Ser. No. 7, Issue 3, 1958, pp 172-188.

NDP-K-144

Sci
Nov 59

101, 148

Rigorous Solution of Certain Boundary Problems for
the Equation $\nabla^2 u = -K(\sigma) \nabla^2 u$ in the
Hyperbolic Band $0 < \sigma < 1$, by R. G. Barantsev.

USSIAN, per, Vest Leningrad U, Ser Math, Mekh i
Izrael, No 19, 1958, pp 17-38.

Encl Tr 3080/APL T-270

OTS 62-25711

Sci - Phys

Apr 62

190,401

S-1600

(DC-2591).

Some Results of Observations of Mars During
the Great Opposition of 1956, by V. V.
Sharonov, 22 pp.

RUSSIAN, per, Vest Leningrad Universiteta,
Ser Mat, Mekh i Astron, No 19, 1958, pp 187-202.

JPRS-873-D

Sci - Astronomy
Aug 59

94,768

Kubilyus, I. P.
CONVOLUTIONS OF ARITHMETIC FUNCTIONS AND
LIMIT THEOREMS FOR SUMS OF INDEPENDENT
RANDOM VARIABLES [Sverki Arifmeticheskikh Funktsii
i Predel'nye Teoremy dlya Summ Nezvavisimyykh
Sluchainyykh Velichin]. [1961] [8]p. 5 refs.

Order from OTS or SLA \$1.10

61-16546

Trans. of Leningrad U. Vestnik (USSR) 1959 [v. 14]
no. 1 [Seriya Matematiki, Mekhaniki i Astronomii,
no. 1] p. 30-33.

DESCRIPTORS: *Functional analysis, *Probability,
Statistical functions, Number theory, Sequences, Se-
ries.

It is shown that the distribution of the values for the
arithmetic function, obtained by means of the convolu-
tion of a large number of arithmetic functions, satis-
(Mathematics, IT, v. 6, no. 9) (over)

61-16546

I. Kubilyus, I. P.

165387

Office of Technical Services

Some Problems of the Stability Investigation of
Shells, by V. M. Chebanov.

RUSSIAN, per, Vestnik Leningradskogo Universiteta,
Seriya Matematiki, Mekhaniki i Astronomii, No 1 (1),
1959, pp 79-93.

*FTD-MT-62-57

Sci - Engr
Oct 62

Simultaneous Microdetermination of Carbon, Hydrogen
and Sulfur, by E. I. Margolis, N. P. Egorova.

RUSSIAN, per, Vestnik Moskov Univ, Ser Matematiki,
Mekhanika, Astronomii, Fiziki, Khimii, Vol 1958,
No 4, 1958, pp 209-213.

ATC RJ-2019

Sci - Chem

Jan 60

105681

On the Convergence of the Expansion of the Force
Function of Gravitation of Two Bodies, by
Iarov-Iarovoi, V. S.

MISSILE, part, Universitet Vestnik Seria Matemat,
Mekh, Astron, Fiz, Khimii, No 5, 1958, pp 63-66.

*Rand Corp

Sci-Phys

May 65

Sakharov, G. D.
MÉTHODE NOUVELLE POUR L'ÉTUDE DES
COMPOSES DE SURFACES [New Method of Investi-
gating Surface Compounds] tr. by Orbec. 19 Oct 60
(11)p. 18 refs. CEA Trans. no. R 1017 (text in
French).
Order from OTS or SLA \$1.60 61-15749

Trans. in French of Moscow U. Vestnik Seriya
Matematiki, Mekhanika, Astronomiya, Fizika, Khimiya
(USSR) 1959 [v. 14] no. 1, p. 145-150.

DESCRIPTORS: Catalysis, Catalysts, Surface prop-
erties, Chemical reactions.

(Chemistry--Physical, TT, v. 6, no. 7)

61-15749

- I. Sakharov, G. D.
- II. CEA-tr-R1017
- III. Commissariat à
l'Énergie Atomique
(France)

Office of Technical Services

Reznitskii, L. A. and Khomyakov, K. G.
CALORIMETRIC DETERMINATION OF THE HEAT
OF REDUCTION OF FERRITES BY HYDROGEN. I.
CALORIMETER: REDUCTION OF FERRIC OXIDE.
[1961] [8]p. 3 refs.
Order from OTS or SLA \$1.10

61-27806

Trans. of Moscow U. Vestnik [Seriya Matematiki
Mekhaniki Astronomii, Fiziki, Khimii] 1959 [v. 14]
no. 2, p. 217-224.

DESCRIPTORS: Calorimeters. *Heat, Reduction, Iron
compounds, Oxides, *Ferrites, *Hydrogen,
*Calorimetry, Determination.

An isothermal calorimeter is described that was con-
structed for the determination of the heats of reactions
at high temperatures. The possibility, in principle, of
doing calorimetric measurements on slow endothermal
(Physics--Thermodynamics, TT, v. 6, no. 9) (over)

61-27806

I. Reznitskii, L. A.
II. Khomyakov, K. G.
III. Title: Calorimeter ...
IV. Translations, New York

185619

Office of Technical Services

(BT-3367)-

Numerical Determination of Aerodynamic
Characteristics of Certain Wings of Finite
Dimensions, by S. V. Vallander, 8 pp.

RUSSIAN, per, Vest Leningrad II, No 19, Ser
Matematiki Mekh i Astron, No 4, 1959, pp 106-112.

JPRS 2303

Sci - Engineering
Mar 60

110,179

(NY-3367).

Developable Wings, by S. V. Volland, 10 pp.

RUESSIA, par, Vest Leningrad U, No 19, Ser Mat.
Mekh i Astron, No 4, 1959, pp 113-120.

JPRS 2304

Sci - Ingr
Mar 60

110,593

(NY-3367).

Investigation of the Stability of the Vertical
Position of a Gyroscope of Variable Mass, by V. S.
Novoselov, 12 pp.

RUSSIAN, per, Vest Leningrad U, No 19, Ser Mat,
Mekh i Astron, No 4, 1959, pp 121-129.

JPRS 2305

Sci .. Engrg
Apr 60

112,626

On a Method for Obtaining Estimations of a Certain
Kind for Functions Regular in the Circle, by N. A.
Lebedev, G. A. Sogomonova, 17 pp.

RUSSIAN, per, Vest. Lenin Un-ta, Ser Matemat, Mekh
i Astron, No 13, 1959, pp 5-19.

ACSI H-6329
ID 2144341

Sci - Math

Oct 60

Yakubovich, V. A.
ON NONLINEAR DIFFERENTIAL EQUATIONS OF
AUTOMATIC REGULATION SYSTEMS WITH ONE
CONTROL ELEMENT. [1961] [64]p. 19 refs.
Order from OTS or SLA \$6.60 61-16547

Trans. of Leningrad U. Vestnik (USSR) 1960 [v. 15]
no. 7, Seriya Matematiki, Mekhaniki i Astronomii
[no. 2] p. 120-153.

DESCRIPTORS: Automatic, *Control systems,
Numerical methods and procedures, Stability, *Non-
linear differential equation, Matrix algebra, Algebra
Tensor analysis.

A strict mathematical foundation is presented for the
method of A. I. Lur'e (Some nonlinear problems in
the theory of automatic control, Moscow, 1951;

(Engineering--Electronic, TT, v. 7, no. 5) (over)

61-16547

I. Yakubovich, V. A.

Office of Technical Services

62-12880

Kurchakov, A. V.
OPTICAL PROPERTIES OF THE ATMOSPHERE AND
SURFACE OF THE PLANET MARS, tr. by M. G.
Scott. [1962] 5p. 12 refs.
Available in ARS Journal, v. 32, no. 3, \$3.00

Trans. of Leningrad U. Vestnik (USSR) 1960 [v. 15]
no. 7 [Seriya Matematiki, Mekhanika i Astronomii,
no. 2] p. 154-163.

DESCRIPTORS: Planets, *Mars, Planetary atmos-
pheres, Atmosphere, Surfaces, Optics, Thickness,
Scattering, Brightness, Absorption.

(Astronomy--Astrophysics, TT, v. 7, no. 12)

I. Kurchakov, A. V.
II. American Rocket
Society, New York

Office of Technical Services

The Laminar Boundary Layer of a Flat Plate
in the Presence of Dissociation, by
Z. B. Galanova, 7 pp.

RUSSIAN, per, Vest Leningradskogo Univ,
Ser Matemat Mekh i Astron, Vol XIX, No 4,
1960, pp 95-99. 9677767

FTD MCL-1190/1

Sci - Phys

171,542

20 Oct 61

Certain Nonlinear Operators of the Elasticity
Theory in Hilbert Space, by A. Langerbakh,
19 pp.

RUSSIAN, per, Vest Leningrad Univer, Ser
Mate, Mekh i Astron, No 1, 1961, pp 38-50.
9654229

FID-TR-61-316

Sci - Phys

186,261

2 Mar 62

Diffusion of Radiation in a Semi-Infinite Medium With
Non-Isotropic Scattering, by I. N. Minin, 24 pp.
RUSSIAN, per, Vest Lening Univer, Ser Mat Mekh
Astron, Vol XVI, No 1, 1961, pp 133-143.

CIA/FDD XX-1495
NO FOREIGN DISSEM

Sci - Earth Sci & Astron
Mar 64
USIB Internal Use Only

252,250

The Motion of a Conducting Gas in a
Magnetohydrodynamic Generator, by
O. A. Barozin, 14 pp.

RUSSIAN, per, Vest. Leningrad U, Ser. Mate,
Mekh i. Mashin., Vol. XIII, No. 5, 1961,
pp. 93-102. 9071706

ENG-100 51-108

Sol. Eng.

1961 1972

14 Dec 61

A NONSTEADY-STATE BOUNDARY-VALUE PROBLEM OF THE
HYDRODYNAMICS OF A VISCOUS INCOMPRESSIBLE FLUID,
BY O. V. GUSEVA, 18 PP.

RUSSIAN, PER, VEST LENINGRAD UNIV, SER MATEMAT
MEKH I ASTRON, NO 4, 1961, PP 122-137. 9665948

FTD-TT-62-710

SCI - ENGR
AUG 62

206,324

63-10310

I. Gromov, S. V.

Gromov, S. V.
THE QUESTION ON THE DETERMINATION OF THE
GENERAL TERRESTRIAL ELLIPSOID. [1962] [11]p.

4 refs.

Order from OTS or SLA \$1.60

63-10310

Trans. of Leningrad U. Vestnik (USSR) 1961 [v. 16]
no. 7 [Seriya Matematiki, Mekhaniki i Astronomii,
no. 2] p. 136-141.

DESCRIPTORS: Determination, *Ellipsoids, *Earth
models, *Geodesics, Gravity, Acceleration, Equations,
Errors.

This paper presents a resume of some of the problems
involved in determination of a standard Earth model.
(Author)

(Earth Sciences--Geodesy, TT, v. 9, no. 12)

Office of Technical Services

The Flow of Dissociating Nitrogen Between Two
Parallel Plates, by L. A. KHIZHILONEN, 11 pp.

IRESTAN, par, Vest Leningrad Univ, Ser Matemat,
Mekh i Astron, No 1, 1962, pp 116-123. 966624

PTD-TT-62-1145

Sci - Phys
Nov 62

216,895

Solution of the Problem of Stability of a Stellar
Configuration of Spherical

The Method of Transverse Approximation
in a Hypersonic Flow, by I. I. Aleksenko,
V. G. Barantsev, 31 pp.
RUSSIAN, per, Vest Leningrad Univ,
Ser Matem Mekh i Astron, no 4, 1962,
pp 62-78. 9690615
FTI-IT-65-1806

SU - Elec
Vol 66

296,330

Gellg, A. Kh.
ON THE APPLICATION OF LYAPUNOV'S SECOND
METHOD TO THE STABILITY INVESTIGATION OF
THE MOTION OF NONLINEAR DISCONTINUOUS
SYSTEMS. Aug 62 [7] p. 9 refs.
Order from OTS or SLA \$1.10 62-20258

Trans. of Leningrad U. Vestnik (USSR) 1962 [v. 17]
no. 7, [Seriya Matematika, Mekhanika i Astronomiya]
no. 2] p. 58-61.

DESCRIPTORS: Nonlinear systems, Automatic,
Control systems, Stability, Motion, Equations of
motion, Functions, Integrals.

The problems of stability in the large of systems of
indirect automatic control with one control member,
when the non-linear characteristic has discon-
tinuities of the 1st order are investigated. It is proved
(Engineering-Electronic, TT, v. 9, no. 11) (over)

62-20258

1. Title: Stability analysis
2. Title: Lyapunov method
- I. Gellg, A. Kh.
- II. Lyapunov, A. M.

Office of Technical Services

A Conical Wing in a Supersonic Gas Flow, by
A. S. Avdonin, 17 pp.

RUSSIAN, per, Vest Leningrad Univ, Seriya Matematiki,
Mekhaniki i Astron, II No 7, 1962, pp 62-74.

9609773

9686757

FTD-TT-63-392

Sci-Aero

Aug 63

342085

An Approximate Analytical Solution of the
Irrotational Equations of Supersonic Flow Past
Developable Wings, by I. A. Popova, 25 pp.

RUSSIAN, per, Vest Leningrad Univ, Seriya Matematiki,
Mekhaniki i Astron, No 7, 1962, pp 87-104. 9669773
7683757

FTD-TT-63-392

Sci-Aero

Aug 63

342,086

Analytic Solution of the Problem of Supersonic Gas Flow
Around a Cone, by A. S. Mikheev, 9 pp.

RUSSIAN, per, Vost Len Univ, Math Mekh Astron Ser, No 7,
1962, pp 105-112.

CIA/FDD X-5219

Sci - Physics

Sept 63

FOR OFFICIAL USE ONLY

345,278

An Analytical Solution to the Problem of
Supersonic Gas Flow Past a Lattice of
Conical Vanes. I., by N. V. Smirnov, 17 pp.

RUSSIAN, par, Vest Leningrad Univ, Seriya
Matematiki, Mekhaniki i Astron, No 7, 1962,
pp 105-116. 9669773

9686757

FTD-TT-63-392

Sci-Aero

Aug 63

342,087

On Supersonic Conical Flows With Complicated
Thermodynamics, by N. V. Smirnov, 7 pp.

RUSSIAN, per, Vest Leningrad Univ Ser Mate
Mekh Astron, No 7, 1962, pp 113-118.

CIA/FDD X-5197

Sci - Physics

Aug 63

FOR OFFICIAL USE ONLY

342,041

RUSSIAN

Formulating the Law of Galactic ~~200~~ Rotation From Radio
Astronomical Observations, by T. E. Agekyan, E. Klosovskaya.
RUSSIAN, per, Vest Leningrad Univ Seriya Mat Mekh i Astron,
No 13, 1962, pp 103-112.

CSIRO/No 6436

Sci - Earth Sci

Feb 64

250,145

Aleksenko, L. L., Barantsev, R. G., and Panteleeva,
L. N.
TRANSVERSE APPROXIMATION IN HYPERSONIC
AERODYNAMICS (Metod Poperechnoi Aproksimatsii v
Giperzvukovoi Aerodinamike). [1964] [20p] (foreign
text included) Z'reb
Order from OTS, SLA, or ETC \$1.60 TT-64-10798

Trans. of Leningrad U. Vestnik (USSR) 1962 [v. 17]
no. 19 [Seriya Matematiki, Mekhaniki i Astronomii]
no. 4, p. 62-78.

(Mechanics--Aerodynamics, TT, v. 12, no. 2)

TT-64-10798

I. Aleksenko, L. L.
II. Barantsev, R. G.
III. Panteleeva, L. N.

Office of Technical Services

Thermodynamic Investigation of the Lower
Tungsten Chlorides, by S. A. Shchukarev, G. I.
Novikov, R. M. V. Andreyeva, 16 pp.

RUSSIAN, per, Leningrad U. Vestnik, Vol XXIV,
No 4, [Seriya Fizika i Khimiya, No 1], 1959,
pp 120-131.

SIA 60-16770

195,984

Sci
Vol 4, No 10
May 62

Industrial Applications of Quantitative
Spectral Analysis of Inert Gases, 3 pp.

RUSSIAN, per, Vest Lening Univ. Seriya
Fizika i Khimii, No 5, 1959, pp 19-24.

AP 1256277

105,378

USSR
Sci - Physics
Jan 60

Myuller, R. L., Markova, T. P., and Repinskii, S. M.

DISSOLUTION KINETICS OF GERMANIUM IN NITRIC ACID. [1962] [27]p. 27 refs.

Order from: OTS or SLA \$2.60 62-14471

Trans. of Leningrad U. Vestnik (USSR) 1959 [v. 14] no. 16 [Seriya Fiziki i Khimii, no. 3] p. 106-118. Another trans. is available from OTS or SLA \$1.60 as 62-23096, MDR M-132 [1960] 15p.

DESCRIPTORS: *Germanium, Oxidation Solubility, *Nitric acid, Reaction kinetics.

The dependence of the dissolution rate of germanium in solutions of nitric and nitrous acids on the temperature and stirring of the solution is investigated. Conclusions are drawn in favor of limited heterogeneous chemical oxidation reactions of germanium. (Chemistry--Physical, TT, v. 8, no. 10) (over)

62-14471

I. Myuller, R. L.
H. Markova, T. P.
III. Repinskii, S. M.

Office of Technical Services

The Part Played by Cascade Transitions in the Excitation
of Helium Lines, by V. E. Yakhotova, 18 pp.

RUSSIAN, per, Vest Leningrad Univ., Ser Fiz i Khim,
Vol XIV, No. 10/2, 1959, pp 27-42. 9213071

AEFE-Harwell-Tr-951

CTO T-100-2210

Sci - Phys

Oct 63

345,209

Heats of Reaction of CdO and $\text{Cd}(\text{OH})_2$ With
Malic and Perchloric Acids, by S. A. Shchukarev,
I. S. Illich, et al.

RUSSIAN, per, Vest Lenin Univ. Ser. Fiz. i
Khim., Vol. XIV, No 10, 1959, pp 66-71.

SLA 60-16028

Sci
Vol IV, No 7
62

193.850

Tracing the Time Variation of Spectrum Line Profiles
In the Radiation of a Spark Discharge, by M. P.
Vanyukov, B. A. Ermakov, A. A. Mak, et al, 8 pp.

RUSSIAN, per, Vest Leningradskogo Univ, Ser Fiz i Khim,
No 16 (30), 1959, pp 25-32.

MDF V-149

9093217

145, 600

Sci
Nov 61

Shchukarev, S. A., Smirnova, E. K. and others.
THE ENTHALPY OF FORMATION OF TANTALUM
PENTACHLORIDE AND PENTABROMIDE. [1962] [8]p.
17 refs.

Order from OTS or SLA \$1.10

63-13400

Trans. of Leningrad U. Vestnik (USSR) 1960, v. 15,
no. 16, Seriya Fizika i Khimii no. 3, p. 113-119.

DESCRIPTORS: Enthalpy, *Tantalum compounds,
*Chlorides, Bromides, *Heat of formation, Hydrolysis,
Heat of reaction.

(Physics--Thermodynamics, TT, v. 9, no. 12)

63-13400

I. Shchukarev, S. A.
II. Smirnova, E. K.
III. Translations, New York

Office of Technical Services

Certain Questions of the Formation of Complex
Tetrahedral Phases; by N. A. Goryunova, 19 pp.

RUSSIAN, per, Vestnik Leningrad Univ, No 10,
Fiz.-Khim. No 2, 1961, pp 112-124.

MDF G-210a
9092769

Sci.
Oct 61.

171, 5-25

On the Canonic Transformation in Classical and
Quantum Mechanics, by V. A. Fock, 5 pp:

RUSSIAN, per. Vostrik, Leningrad Univ. *Phys.*
Ches. Ser., No 16(3), 1959, pp 67-70.

MDF - F-121
FDD X-4491

Sci - Electronics

Nov 60

131,841

Investigation of Molybdenum Halides: Synthesis and
Determination of the Formation Enthalpy of Molybdenum
Tetrachloride, by S. A. Shchukarev, I. V. Vasil'kova
B. N. Sharupin, 8 pp.

RUSSIAN, per, Vest Leningrad U., Ser Fiz i Khim,
Vol XIV, No 2, 1959, pp 72-77.

SLA 60-16769

Sci

190,263

Apr 62

Vol IV, No 6

Kinetics of Germanium Dissolution in Nitric
Acid, by R. L. Müller, T. P. Markova,
S. M. Repinakiy, 15 pp.

RUSSIAN, Izv. Vost. Leningrad Univ, Ser. Khim.-Mat.
No. 3, 1977, pp 106-116.

MDX M-132
9099003

Sci
Nov 61

173, 330

Methods for the Determination of Alkoxy Groups,
by I. A. Favorskaya, E. M. Aurvinen.

RUSSIAN, per, Vest Leningrad Univ, Seriya Fiziki
i Khimii, No 3, 1959, pp 119-127.

DSIR LIU RTS 1624

Sci - Chem

Oct 60

128,842

Thermodynamic Investigation of the Lower
Tungsten Chlorides, by S. A. Shchukarev, G. I.
Novikov, A. N. V. Andreyeva, 16 pp.

RUSSIAN, per, Leningrad U. Vestnik, Vol XX XIV,
No 4, [Seriya Fizika i Khimii, No 1], 1959,
pp 120-131.

SL

SIA 60-16770

Sci

Vol 4, No 10

May 62

Sci

Vasiliyev, V. V., Gedenova, V. I., and Muratova, N. Ye.
 APPLICATION OF ULTRASONICS TO THE PHASE
 ANALYSIS OF LEAD ORES (Primeneniye Ul'trazvukov
 Fazovaya Analiza Svintsovyykh Rud). June 61 [6]p.
 18 refs. KTS 1891.
 Order from OTS or SLA \$1.10 61-19915

Trans. of Leningrad U. Vestnik (USSR) 1959, v. 14,
 no. 22, Seriya Fiziko-Khimich., no. 4, p. 146-148.

DESCRIPTORS: *Lead, *Ores, *Ultrasonics, *Solvent
 extraction.

An ultrasonic field is an efficient means for accelerat-
 ing the selective extraction of individual minerals dur-
 ing phase analysis of lead ores. Judging by preliminary
 experiments, the use of an ultrasonic field in phase
 analysis of lead ores does not necessitate modifications
 in the normal analytical procedure. (Author)
 (Metallurgy, T2, v. 6, no. 3)

61-19915

I. Vasiliyev, V. V.
 II. Gedenova, V. I.
 III. Muratova, N. Ye.
 IV. KTS-1891
 V. Department of Scientific
 and Industrial Research
 (G. Brit.)

170306

Office of Technical Services

Heats of Formation of Compounds of Strontium With
Elements of the Principal Subgroup of Group IV, by
M. P. Morozova, Id Mao-shu, M. V. Golomolzina,
4 pp.

RUSSIAN, per, Vestnik Leningrad U., Ser Fiz i Khim,
Vol XIV, No 10, 1959, pp 83-86.

SLA 60-15684

Sci

190, 249

Apr 62

Vol IV, No 6

Dolgov, B. N. and Ivanskij, V. I.
SOME CATALYTIC CONVERSIONS OF PROPYLENE
GLYCOL [1,2-PROPANEDIOL]. [1960] 10p. 18 refs.
Order from RIS \$10.00 RIS 3-61

Trans. of Leningrad U. Vestnik (USSR) 1959, v. 14,
no. 16, Sci[ia] Fiz[iki] i Khim[ii] no. 3, p. 128-133.

143,075

(Chemistry- Organic, TT, v. 5, no. 1)

61-12053

1. Aluminum silicate--
Catalytic properties.
2. Propylene--Decomposition
I. Dolgov, B. N.
II. Ivanskij, V. I.
III. RIS 3-61
- IV. Research Information
Service, New York

Office of Technical Services

Karpova, I. P., Leonova, T. G. and others.
PROPRIÉTÉS D'ÉCHANGE IONIQUE DES MEMBRANES
ET DES PRÉCIPITÉS DES FERROCYANURES DE
CUIVRE, tr. by Fedorovsky. 4 Nov 60 [16]p. 15 refs.
CEA Trans. no. R 1064 (text in French).
Order from OTS or SLA \$1.60

61-15781

Trans. in French of Lenin[grad] U.S. Vest[nik] (USSR)
1959 [v. 14] no. 22 [Seriya Fizika i Khimii, no. 4]
p. 97-103.

DESCRIPTORS: *Ion exchange, *Cyanides, *Copper
compounds, *Iron compounds.

(Chemistry--Physical, TT, v. 6, no. 7)

61-15781

- I. Karpova, I. P.
- II. Leonova, T. G.
- III. CEA-tr-R1064
- IV. Commissariat à
l'Énergie Atomique
(France)

Office of Technical Services

S-165/60

(AC 3503).

Simplified Method for the Calculation of Fourier
Series in the Structural Investigation of Crystals,
by Ye. V. Stroganov,

RUSSIAN, per, Vest Leningrad U, Ser Fiz i Khim,
No 4, 1959, pp 157-158.

*JPRS

Sci - Phys

Mar 60

Rate of Removal of RuO_4 From Aqueous Solutions by
A Current of Air, by A. A. Goryunov, R. L. Myuller,
8 pp.

Veat. Zhurnal No. 2, 1960,
pp 104-111.

AKC-TRG-Inf-Ser-¹⁵⁴~~330~~

Sci. 23
JUN 61

248,323

Krylov, G. N. and Makarov, G. I.
STRUCTURE OF THE ELECTROMAGNETIC FIELD OF
A VERTICAL ELECTRICAL DIPOLE AND A VERTICAL
ANTENNA IN SPACE ABOVE A PLANE EARTH, tr.
by B. W. Kuvshinov. 12 Sep 62, 35p. 23 refs. APL/JHU
TG 230-1331.
Order from OTS \$1.00

63-11508

Trans. of Leningrad U. Vestnik (USSR) 1960 [v. 15]
no. 16 (Seriya Fizika i Khimii) no. 3, p. 42-66.

DESCRIPTORS: *Electromagnetic fields, *Electric
fields, *Dipole moments, *Dipole antennas, Antennas,
Antenna radiation patterns, Earth, Electrical conduct-
ance, Geophysics, Series, Integrals, Ionospheric
propagation.

The exact calculation of the electromagnetic field of a
vertical electrical dipole and vertical antenna over a
(Physics--Wave Propagation, TT, v. 9, no. 3) (over)

63-11508

- I. Krylov, G. N.
- II. Makarov, G. I.
- III. APL/JHU TG 230-T331
- IV. Applied Physics Lab.,
Johns Hopkins U., Silver
Spring, Md.
- V. Contract NOW-62-0604-c

Office of Technical Services

B. P. Nikol'skiy: On His 60th Birthday, 11 pp.

RUSSIAN, per, Vest Leningrad U, Ser Fiz 1 Khim,
Vol. XV, No 22, 1960, pp 5-10.

UFRS 8203

UESR

Blog

Jun 61

154/577

(NY-5995)

The Theory of the Glass Electrode and Some Questions
in the Theory of Glass, by M. M. Shul'ts, 27 pp.

RUSSIAN, per, Vest Leningrad U, Ser Fiz i Khim,
Vol XV, No 22 (4), 1960, pp 40-48.

JPRS 9249

Sci. - Chem

May 61

154,430

Kinetics of Germanium Dissolution in Acid
and Base Solutions of Hydrogen Peroxide.
by III R. E. Muller, A. V. Danilov,
T. P. Kuchova, et al, 10 pp.

RUSSELL, R. E., Vest Leningrad Univ, Ser
Fiz-Khim, No 4, 1960, pp 80-87.

WDF M-133
9093004

Sci
Nov 61

173.331

Kinetics of Germanium Dissolution in
Aqueous Bromine and Iodine Solutions.
by B. L. Muller, N. A. Deglat, 7 pp.

RUSSIAN, per. Vost. Leningrad Univ, Ser
Fiz-Khim. No 6, 1960, pp 89-94.

MDT M-134
9093005

Sci.
Edr 61

173,332

Electroosmosis and Passage Potential Through Double-Layer Powder Diaphragms, by K. P. Tikhomolova, 16 pp.

RUSSIAN, per, Vest Lenin Univ, Ser Fiz i Khim,
Vol XV, No 4, 1960, pp 106-116. 9089614

AEC Tr-5176

Sci - Phys, Chem
Aug 62

208,435

All-Union Conference on the Vitreous State,
No 3, by R. M. Myuller, 3 pp.

~~XXXXXXXX~~
RUSSIAN, per, Vestnik Leningrad U, [Per Fiz i
Khim, No 1] Vol XV, 1960, No 1, pp 144-145.

ATS-66M43R
ATS/R7-1.51A

Sci
Jul 62

203,547

Vol 4, No 12

Molochnov, G. V.
ELECTROMAGNETIC DIPOLE METHOD FOR DE-
TERMINING THE DEPTH OF AN EMBEDDED LAYER
OF FINITE CONDUCTIVITY (Dipol'nyi Elektromag-
nitnyi Metod Opredeleniya Glubiny Zalegan'iya Sloya
Konechnoi Provodimosti) tr. by A. Pingell. 12 Jun 62,
16p. 7 refs. N.R.L. Trans. no. 880.
Order from OTS \$0.50

62-11599

Trans. of Leningrad U. Vestnik (USSR) 1960 [v. 15]
no. 10 [Seriya Fizika i Khimii, no. 2] p. 34-44.

DESCRIPTORS: *Electromagnetic fields, Magnetic
moments. *Dipole moments. *Conductivity, Penetra-
tion, Dielectrics.

Formulae for the field of a vertical magnetic dipole in
case of the finite conductivity of the first (upper) and
second (lower) layers are developed. Displacement
currents in the air are taken into consideration. The
(Physics, TT, v. 8, no. 8) (lower)

62-11599

- I. Molochnov, G. V.
- II. NRL Trans-880
- III. Naval Research Lab.,
Washington, D. C.

Office of Technical Services

Goryunov, A. A., Myuller, R. L., and Kapustina,
L. K.

RATE OF REMOVAL OF RuO_4 FROM AQUEOUS
SOLUTIONS BY A CURRENT OF AIR

A. E. Shaw, tr. 1963 [9p] 7refs TRG Information
Series 134 (D).

Order from OTS, SLA, or ETC \$1.10 TT-64-13148

Trans. of Leningrad U. Vestnik (USSR) 1960 [v. 15]
no. 10 [Seriya Fiziki i Khimii, no. 2] p. 104-111.

(Engineering-Chemical, TT, v. 12, no. 2)

TT-64-13148

- I. Goryunov, A. A.
- II. Myuller, R. L.
- III. Kapustina, L. K.
- IV. TRG-IS-134 (D)
- V. United Kingdom Atomic
Energy Authority,
Risley (England)

Office of Technical Services

A Device for Studying Nuclear Quadrupole
resonance in Nitrogen Compounds, by V. S.
Grechishkin and I. M. Ovchinnikov.

RUSSIAN, per, Vestnik Leningradskogo
Universiteta, Seriya Fizika i Khimii,
1960, Vol 15, No 22, pp 128-129.

NIL RTS 2617 (On Loan or Purchase)

CFSTE # 64-19922-on Loan
Aug 65 286,999

CEA-tr-R-1412 Uncl.

ETUDE DES DENSITES D'ATOMES EXCITES ET DES
TEMPERATURES DES GAZ INERTES DANS UNE COLONNE
POSITIVE DE DECHARGE. (Study of Densities of
Excited Atoms and Temperatures of Inert Gases
in Positive Discharge Columns). K. S.
Mustafin. Translated into French from
Vestnik Leningrad. Univ. 15, No. 22, Ser.
Fiz. i Khim. No. 4, 130-7(1960). 23p.

Physics; Translations MC-34

C-24 NP NSA Dep.(mc); \$2.60(fs), \$0.89(mf)
JCL or OTS

N-3

Zhilich, A. G. and Makarov, V. P.
ON THE BAND STRUCTURE OF CUPROUS OXIDE.
15 Sep 61, 21p, 26 refs.
Order from OTE or SLA \$1.40

61-20722

Trans. of Leningrad U. (Vestnik USSR) 1961 [v. 16]
no. 10, Seriya Fizikal'no-Khim[ic] no. 2, p. 13-30.

DESCRIPTORS: Copper compounds, *Oxides,
Crystals, Lattices, Absorption, Crystallization,
Spectrographic analysis.

The method of Koringa-Kohn-Rostoker was used to compute the band energy structure of cuprous oxide which is crystallized in a complex cubic lattice. Numerical values were found of the energies of two bands at the $K=0$ point of the Brillouin band. The magnitude of the difference $\Delta E(0) = E_{\Gamma_1}(0) - E_{\Gamma_{15}}(0)$

0.76 eV $\pm$ 2.3% is in good agreement with the (Physic.-Solid State, TT, v. 7, no. 9) (over)

61-20722

I. Zhilich, A. G.
II. Makarov, V. P.

Office of Technical Services

Shchukarev, S. A. and Suborov, A. V.
A THERMODYNAMIC INVESTIGATION OF CERTAIN
CHLORINE DERIVATIVES OF MOLYBDENUM AND
TUNGSTEN. [1962] 15p. 26 refs.
Order from OTS or SLA \$1.60 63-13032

Trans. of Leningrad U. Vestnik (USSR) 1961 [v. 16]
no. 4 [Seriya Fizika i Khimiya no. 1] p. 87-99.

DESCRIPTORS: *Molybdenum compounds, *Tungsten
compounds, *Chlorides, *Oxychlorides, Evaporation,
Dissociation, Disproportionation, Transition
temperature, Measurement, Chemical reactions,
*Thermodynamics.

The processes of evaporation, dissociation and
disproportionation in the system MoCl_5 - MoCl_3 and
 WCl_6 - WCl_5 by means of membrane and optico-
tensimetric methods were studied. Some thermodynamic
functions of these processes were obtained. (Author)
(Chemistry--Physical, TT, v. 16, no. 3)

63-13032

I. Shchukarev, S. A.
II. Suborov, A. V.

Office of Technical Services

S. Z. Frisch, O. P. Bochkova.

RUSSIAN, per, Vest Leningrad Univ Ser Fiz i Khim,
Vol III, 1961, pp 40-58.

*PL-480
OTS 63-11135
PST 894

Sci

Jan 63

Certain Calculations of the Temperature
Distribution in the Upper Atmosphere, by
O. P. Filipovich, 14 pp.

RUSSIAN, per, Vest Leningrad Univ., Ser Fiz
i Khim, Vol XVI, No 3, 1961, pp 66-76.
9673555

FTD-TT-61-369

Sci - Geophys

186,964

2 Mar 62

Myuller, R. L.
VALENCY NATURE OF CONDUCTIVITY OF THE
GLASS-SEMICONDUCTORS. [1963] [14p] 36refs
C. E. Trans. 2803.
Order from OTS, SLA, or ETC \$1.60 TT-64-13232

Trans. of Leningrad U. [Vestnik] (USSR) 1961 [v. 16]
no. 22, Ser[ia] Fiz[ika] i Khim[ia] no. 4, p. 86-96.
Another trans. is available from OTS, SLA, or ETC
\$2.60 as TT-63-18919 [1963] 26p.

NLA 1963-09-163-2803

(Physics--Solid State, TT, v. 11, no. 12)

TT-64-13232

- I. Myuller, R. L.
- II. CE-Trans-2803
- III. Central Electricity
Generating Board,
London (England)

Office of Technical Services

Shchukarev, S. A., Kolbin, N. I., and Ryabov, A. N.
ANHYDROUS RUTHENIUM TRIBROMIDE. [1962] [7]p.
8 refs.

Order from OTS or SLA \$1.10

63-13401

Trans. of Leningrad U. Vestnik (USSR) 1961, v. 16,
no. 4, Ser[iya] Fiz[ika] i Khim[i] no. 1, p. 100-104.

DESCRIPTORS: *Ruthenium compounds, *Bromides,
Anhydrides, Synthesis, Physical properties,
Dissociation.

Anhydrous ruthenium tribromide was prepared by
directly combined ruthenium and bromine in sealed
tubes at a bromine pressure of 15 to 20 atm and a tem-
perature of 450° to 500°C. The density and the lattice
plane spacing of RuBr₃ prepared in the dry way were
determined. A study was made of the thermal dis-
sociation of ruthenium tribromide, and the thermo-
(Chemistry--Inorganic, TT, v. 10, no. 4) (over)

63-13401

I. Shchukarev, S. A.
II. Kolbin, N. I.
III. Ryabov, A. N.
IV. Translations, New York

Office of Technical Services

61-20722

Zhilich, A. G. and Makarov, V. P.
ON THE BAND STRUCTURE OF CUPROUS OXIDE.
15 Sep 61, 21p, 26 refs.

Order from OTS or SLA \$1.60

61-20722

Trans. of Leningrad U. (Vestnik (USSR) 1961 [v. 1b]
no. 10, Seriya Fizika i Khim, no. 2, p. 13-30.

DESCRIPTORS: *Copper compounds, *Oxides,
Crystals, Lattices, Absorption, Crystallization,
Spectrographic analysis.

The method of Korringa-Kohn-Rostoker was used to
compute the band energy structure of cuprous oxide
which is crystallized in a complex cubic lattice. Nu-
merical values were found of the energies of two
bands at the $K = 0$ point of the Brillouin band. The
magnitude of the difference $\Delta E(0) = E_{\Gamma_1}(0) - E_{\Gamma_{25}}(0)$

$0.76 \text{ eV} = 2.38 \text{ eV}$ is in good agreement with the
(Physics-Solid State, TIF, v. 7, no. 9) (over)

I. Zhilich, A. G.
II. Makarov, V. P.

Office of Technical Services

Sochava, I. V.
SPECIFIC HEAT OF POLYMETHYLMETHACRYLATE
AND POLYSTYRENE AT LOW TEMPERATURES.
[1962] [5]p. 6 refs.
Order from OTS or SLA \$1.10 63-13402

Trans. of Leningrad U. Vestnik (USSR) 1961, v. 16,
no. 10. ~~Striya~~ Fizika i Khimiya, no. 2, p. 70-72.

DESCRIPTORS: *Specific heat, *Methyl radicals,
*Styrenes, Low temperature research, *Acrylic
resins, Styrene plastics.

The specific heat of polymethylmethacrylate and poly-
styrene was measured at temperatures between 16°
and 50°K. The temperature dependence of the heat
capacities of both substances was found to be linear at
temperatures above 40°K. The high values of the
specific heat of polymethylmethacrylate, compared to
that of polystyrene, at temperatures above 60°K are:
(Materials--Plastics, IT, v. 10, no. 4) (over)

63-13402

I. Sochava, I. V.
II. Translations, New York

Office of Technical Services

Reabsorption Methods for Determination of Transition
Probabilities and Level Populations, by S. E. Frish,
O. P. Bochkova, 18 pp.
RUSSIAN, per, Vest Lening Univer Seriya Fiz i Khim,
No 16, 1961, pp 40-58.
OTS 63-III35
PL-480

Sci - Phys
Mar 64

253,045

62-10649

Bogdanova, N. I. and Arlya, S. M.
ELECTROCONDUCTIVITY OF LOWER VANADIUM
OXIDES. [1962] 6 p. 10 refs.
Order from CTS or SLA \$1.10

62-10649

Trans. of Leningrad U. Vestnik (USSR) 1961, v. 16
[no. 16] Ser[ia] Fizika i Khim[ia] no. 3, p. 143-147.

DESCRIPTORS: *Vanadium compounds, *Oxides,
Chemical analysis, Electrical conductance,
*Electrochemistry.

I. Bogdanova, N. I.
II. Arlya, S. M.

(Chemistry--Physical, TT, v. 9, no. 1)

Office of Technical Services

Myuller, R. L.
THE VALENCE NATURE OF THE ELECTRICAL
CONDUCTIVITY OF SEMICONDUCTING GLASSES.
[1963] 26p. 37 refs.
Order from OTS or SLA \$2.60

63-18919

Trans. of Leningrad U. Vestnik (USSR) 1961, v. 16,
no. 22, Seriya Fizika i Khimii no. 4, p. 86-96.

DESCRIPTORS: *Glass, *Semiconductors, *Elec-
trical conductance, *Valence, Selenium, Crystal
structure, Crystal lattices, Chemical bonds,
Polymers.

A model of the mechanism of the intrinsic conductivity
of semiconductors with low current carrier mobility
is proposed on the basis of a representation of the
individual nature of localized electron-pair bonds
between atoms. The theoretical expression for the
(Physics--Solid State, TT, v. 10, no. 11) (over)

63-18919

I. Myuller, R. L.

NLL (L. A. D.) 107:
9122.09 1465
(200)

Office of Technical Services

Investigation of Molybdenum Halides.
Determination of the Formation Enthalpy of
Tetrabromide, by S. A. Shchukarev, et al.
RUSSIAN, per, Vestnik Leningradskovo Univer-
siteta Ser. Fiz. Khim. No 22, 1961,
pp 127-129.

BISI 4508

USSR
Sci/ISSI
Feb 66

294,657

Hydrogenation of Natural and Synthetic CIS -
1,4-Polyisoprene, by A. I. Yakubchik,
B. I. Tikhomirov, 8 pp.
RUSSIAN, per, Vestnik Leningrad Univ, Ser Fiz
Khim, No 4, 1961, pp 135-138.
AEC/UCRL-Tr-10320-69

Sci/Phy
Jun 69

382,696

Supplement and Corrections to the Article "Methods of Determination of Transition Probabilities and Level of Populations According to Reabsorption of Radiation, by S. E. Frish, O. P. Bochkova, 2 pp.

RUSSIAN, per, Vest Lening Univer, No 4, 1962, pp 73-74.

*OTS 63-11135
PL-480

Sci
Mar 64

Electrical Conductivity of the Arsenic
Selenium Thallium System in the Glassy
State, by R. L. Myuller, and T. P.
Markova.

RUSSIAN, per, Vestnik Leningr. Universita
Ser. Fiz. Khim, 1962, No 4, pp 75-89.
ML 9022.09 1964 (3382) (in Loan)

Aug 65

286,473

Repinski, S. M.
DETERMINATION OF SURFACE CONDUCTIVITY OF
GERMANIUM IN CONTACT WITH A SOLUTION OF
LOW CONDUCTIVITY. [1962] 5p. 1 ref.
Order from CTS or SLA \$1.10 63-10250

Trans. of Leningrad U. Vestnik (USSR) 1962 [v. 17]
no. 10 [Seriya Fizika i Khimii no. 1] p. 103-106.

DESCRIPTORS: Surface properties, *Germanium,
*Electrical conductance, Solutions, Semiconductors,
Measurement, Resistance (Electrical).

(Physics--Solid State, TT, v. 10, no. 1)

63-10250

L. Repinski, S. M.

Office of Technical Services